Supplementary information

A versatile low temperature solid-state synthesis of vanadium nitride (VN) *via* "guanidinium-route": experimental and theoretical studies from the key-intermediate to the final product

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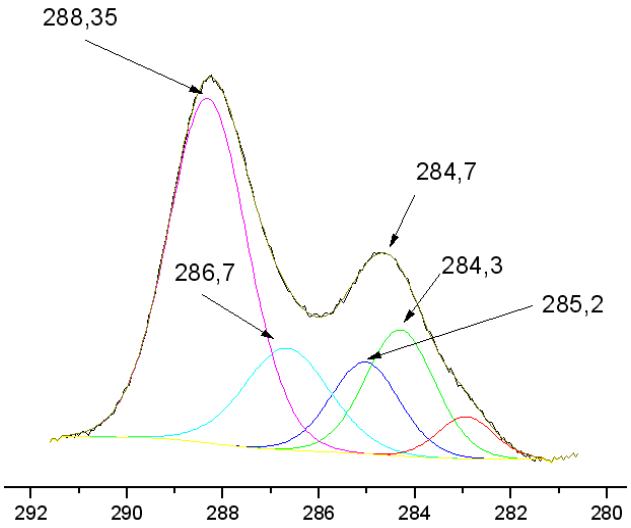
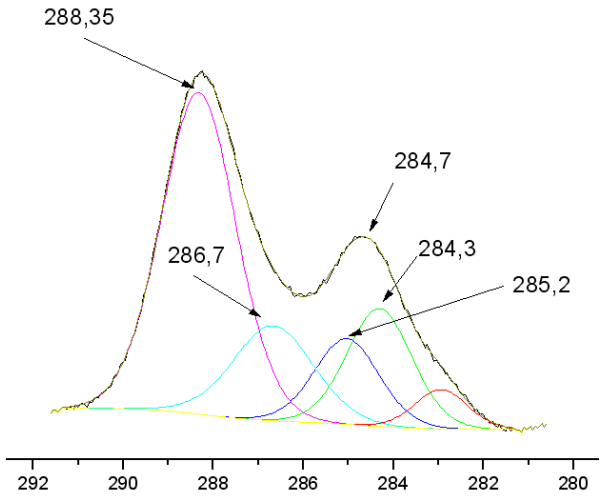
XPS spectra of the V2p3/2(A), N1s(B), O1s(C) and C1s(D) regions for the samples prepared at 300°C and 400°C are shown below.

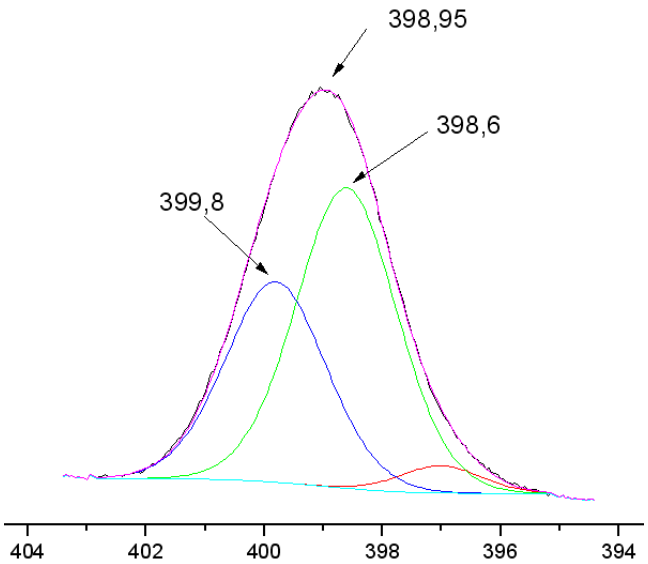
Sample: 300°C	400°C

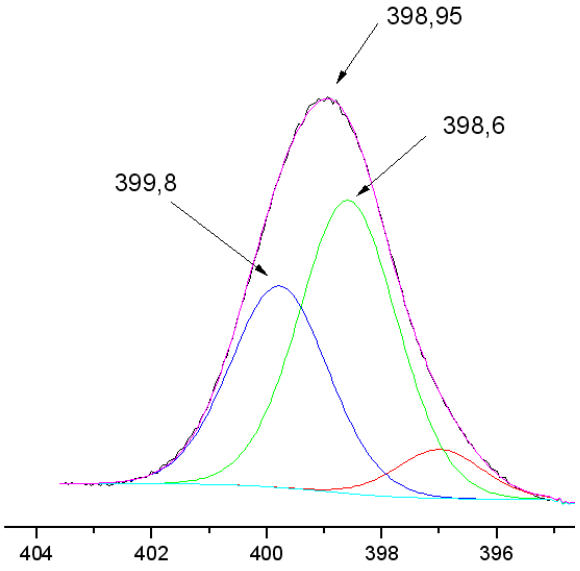
C1s region

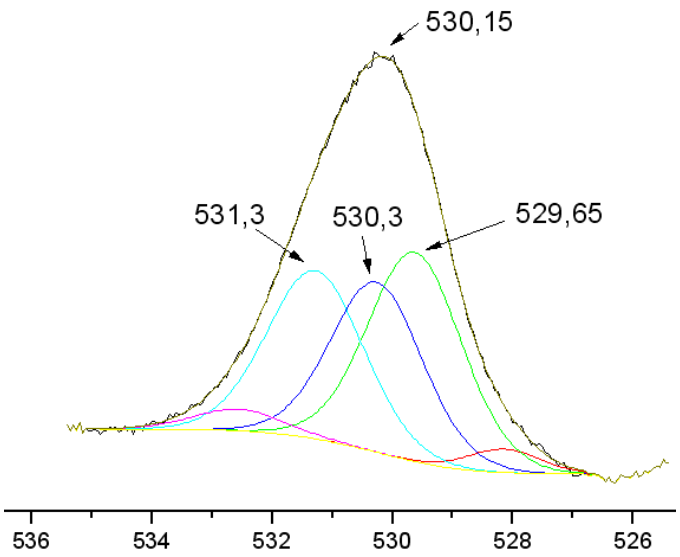
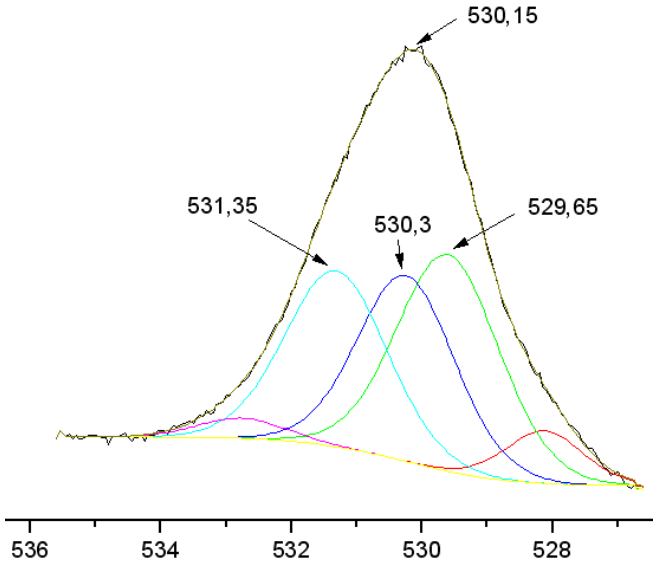




N1s region





Sample: 300°C	400°C
O1s region	
	
V2p region